

General Description

P1000 is for isocyanate cure for architectural and industrial purpose

- Ratio 89/11 for caprolactam blocked
- Good Flow
- Industrial Grade
- Medium Cure
- Good mechanical performance

Extrusion & Application Conditions

Extruder:	Lingyu SLJ-20
Zone I temp.:	85~105 ℃
Zone II temp.:	100~120 ℃
Screw speed:	400~500rpm
Panel:	0.5mm pre-treated cold-rolled steel
Spray gun:	Lingyu SJ-5
Voltage:	60~90kV
Curing cycles:	15 min. @ 200 ℃

Packaging

- White PE bag, N.W.25kg/bag, 1000kg/pallet.
- Big bags 750 kg

Storage

The product can be stably stored for at least one year when kept in closed containers in a dry place at temperature below 30 ℃ .
Avoid exposure to direct sunlight.

Product Specifications

Property	Range	Test Method
Hydroxyl value	20~25 mg KOH/g	ASTM E222
Appearance	Clear granule	Visual
Acid value	Max5	ASTM D1613
Color	Max 3	ASTM D1544
Tg	appr. 62	ALD Method

Starting Formulation

Component	Weight
P1000	300.0
Caprolactam blocked Polyisocyanate	37.0
Titanium dioxide	150.0
LC-88 Flow agent	5.0
Benzoin	3.0

Film Properties

Item	Result	Test Method
Film thickness, μm	approx. 60	ASTM D1186
Gloss @ 60°, %	Min. 90	ASTM D523
Direct/reverse impact, inch lbs	160/160	ASTM D2794
1/8" Conical mandrel	pass	ASTM D522
Adhesion(cross cut)	5B	ASTM D3359
Pencil hardness	H	ISO15184-98

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